

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of

Shaoming LIU

Application No.: 10/658,775

Filed: September 10, 2003

Docket No.: 117122

For: TEXT SENTENCE COMPARING APPARATUS

INFORMATION DISCLOSURE STATEMENT

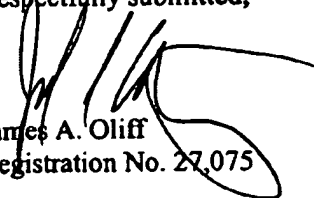
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of the non-English language references 2-6 is discussed in the present specification.
- ☒ 3. The present application was filed or entered the U.S. National Stage of the PCT after June 30, 2003. In accordance with the June 11, 2003, Notice waiving the requirements of 37 C.F.R. §1.98(a)(2)(i), copies of any U.S. patents and patent application publications are not attached.
- ☒ 4. English-language Abstracts of the non-English language references 2-4 are attached hereto.
- ☒ 5. An English-language translation of the non-English language reference 6 is attached hereto.

Respectfully submitted,



James A. Oliff  
Registration No. 27,075

Joel S. Armstrong  
Registration No. 36,430

JAO:JSA/al

Date: November 4, 2003

OLIFF & BERRIDGE, PLC  
P.O. Box 19928  
Alexandria, Virginia 22320  
Telephone: (703) 836-6400

**DEPOSIT ACCOUNT USE  
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Sheet 1 of 1

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 117122		APPLICATION NO. 10/658,775	
				APPLICANT Shaoming LIU			
				FILING DATE September 10, 2003			
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)							
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
	1	U.S. Application No. 10/658,812	Filed 09/10/2003	Liu			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	2	Harada et al., "Japanese Semantic Analysis System SAGE using EDR", Japanese Society for Artificial Intelligence, 2001, 16(1), pages 85-93 (w/English-language Abstract)					
	3	Aizawa, "A Quantitative Representation of Features based on Words and Documents Co-occurrences", Natural Language Processing, March 2000, 136-4, pages 25-32 (w/English-language Abstract)					
	4	Ma et al., "Self-Organizing Semantic Map of Japanese Nouns", Information Processing Society of Japan, Vol. 42, No. 10, October 2001, pages 2379-2391 (w/English-language Abstract)					
	5	Tanaka, "The Metric between Trees Based on the Strongly Structure Preserving Mapping and Its Computing Method", The Institute of Electronics, Information and Communication Engineers, 1984, Vol. J67-D, No. 6, pages 722-723					
	6	Liu et al., "Algorithms for Computing the Distances between Unordered Trees", The Institute of Electronics Information and Communication Engineers, 1995, Vol. J78-A, No. 10, pages 1358-1371 (w/English-language Translation)					
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: November 4, 2003